### DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. KLA1P041/P773

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHODS AND APPARATUS FOR VOID CHARACTERIZATION the specification of which.

(check one)	1.	is attached hereto.		
C) C) C) C) C) C) Libereby state tha	2	U.S. Application No and was amended on _ was filed on _ International PCT Appl and was amended on	lication No	 as
amended by any a	mendment referr	ed to above.		
Lacknowledge the 37, CFR § 1.56.	duty to disclose	information which is m	naterial to the examination of the	nis application in accordance with Title
Prior Foreign Ap	oplication(s)			
for patent or inver than the United S	ntor's certificate, States, listed belo	or § 365(a) of any PCT ow and have identified	International application which below, by checking the box,	r § 365(b) of any foreign application(s) h designated at least one country other any foreign application for patent or of the application on which priority is
				Priority Benefits Claimed?
(Application No.)		(Country)	(Filing Date)	Yes No
(Application No.)		(Country)	(Filing Date)	Yes No
Provisional Appl	ication(s)			
I hereby claim the	benefit under 35	U.S.C. §119(e) of any U	Jnited States provisional applica	ation(s) listed below:
60/326.621		October 1, 200	11	
(Application No.)		(Filing Date)		
(Application No.)		(Filing Date)		

Atty. Dkt. No.: KLA1P041/P773

Page 1 of 3

(Revised 03/00)

#### Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the maner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filine date of this amplication:

(Application No.)	(Filing Date)	(Status - par	tented, pending, a	bandoned)
(Application No.)	(Filing Date)	(Status - par	tented, pending, a	bandoned)
Power of Attorney				
And I hereby appoint the law firm lumber 022434 as my principal office connected therewith.				
Direct Correspondence To:	Customer Numl BEYER WEAVER & TI P.O. Box 77 Berkeley, CA 9476	IOMAS, LLP 8	22	434 RADEMARK OFFICE
in Direct Telephone Calls To:	Godfrey K. Kwa	ın at telenhone	number (510	843-6200
thereby declare that all statement belief are believed to be true; and like so made are punishable by fu such willful false statements may	further that these statements we ne or imprisonment, or both, ur	re made with the l der section 1001 o	enowledge that w	illful false statemen United States Code
Typewritten Full Name of Sole or First Inventor:	Mehran Nasser-Ghodsi	Cit	izenship:	United States
Inventor's signature:	him Hum - Thodas	Da	te of Signature:_	Covember 11,
Residence: (City)	Hamilton	(St	ate/Country)	MA/US
Post Office Address:	42 Boardman Lane, Hamilton	, MA 01982		
Second Inventor:	Anne Testoni	Cit	izenship:	United State
Inventor's signature:		Da	te of Signature:_	

Atty. Dkt. No.: KLA1P041/P773

Post Office Address:

386 Simpson Road, Marlborough, MA 01752

Third Inventor:		Steve Oestreich	Citizenship:	United States	
Inventor's signature:			Date of Signature:		
Residence:	(City)	Mesa	(State/Country)	AZ/US	
D+ O65 4 44		2000 E Emplita Mana A7 95206			

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	U.S. Application No.		
	was filed on  International PCT Ap	plication No.	as
Lhereby state that I	have reviewed and understand the endment referred to above.	contents of the above-identified	specification, including the claims, a
Lacknowledge the d 37, CFR § 1.56.	uty to disclose information which is	material to the examination of the	his application in accordance with Title
Prior Foreign Appl	ication(s)		
for patent or invento than the United Sta	r's certificate, or § 365(a) of any PC tes, listed below and have identifie	T International application which d below, by checking the box,	r § 365(b) of any foreign application(s th designated at least one country othe any foreign application for patent o of the application on which priority is
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(Application No.)	(Country)	(Filing Date)	Yes No
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Atty. Dkt. No.: KLA1P041/P773 (Revised 03/00)

#### Prior U.S. Application(s)

(Application No.)

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(Status - patented, pending, abandoned)

(Application No.)	(Filing Date) (S	Status - patented, pending, abandoned)
Power of Attorney		
And I hereby appoint the law firm of	f Davier Wasses & Thomas III Dor	1.00
		nd all practitioners who are associated with the Customer and to transact all business in the Patent and Trademark

(Filing Date)

Direct Telephone Calls To: Godfrey K. Kwan at telephone number (510) 843-6200

If thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and libited are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that sike h willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of Sole or First Inventor:	Mehran Nasser-Ghodsi	Citizenship:	United States
Inventor's signature:		Date of Signature:	
Residence: (City)	Hamilton	(State/Country)	MA/US
Post Office Address:	42 Boardman Lane, Hamilton, MA 01982		
Second Inventor:	Anne Testoni	Citizenship:	United States
Inventor's signature:	Moters & sund	Date of Signature:	11/6/2001
Residence: (City)	Marlborough Bolton	(State/Country) _	MA/US
Post Office Address:	286 Simpson Road, Marlborough, MA 917 P.O. Box 275, 8 Mount Wo		Bolton, MA

Third Inventor:	_	Steve Oestreich	Citizenship:	United States
Inventor's sign	ature: _		Date of Signature:	
Residence:	(City) _	Mesa	(State/Country)	AZ/US
Post Office Add	ress:	3909 E. Emelita, Mesa, AZ 85206		

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(check one)	1.	is attached hereto.		
	2.			
13			i	
	3.	was filed on		as
0			pplication No	
1,1				
Hereby state that amended by any ar	I have review mendment refe	ved and understand the erred to above.	e contents of the above-identified s	specification, including the claims, as
Lacknowledge the	duty to disclo	se information which i	s material to the examination of thi	s application in accordance with Title
Prior Foreign Ap	plication(s)			
for patent or inver	ntor's certifica States, listed b	te, or § 365(a) of any lelow and have identif	PCT International application which fied below, by checking the box,	§ 365(b) of any foreign application(s) a designated at least one country other any foreign application for patent or f the application on which priority is
ciainied.				Priority Benefits Claimed? Yes No
(Application No.)		(Country)	(Filing Date)	-
				Yes No
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(Application No.)	(Filling Date)	status - patented, pending, abundones)
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Power of Attorney		
And I hereby appoint the law firm of Yumber 022434 as my principal atto Office connected therewith.	Beyer Weaver & Thomas, LLP at orneys to prosecute this application	nd all practitioners who are associated with the Customer and to transact all business in the Patent and Trademark
Direct Correspondence To:	Customer Number: 0: BEYER WEAVER & THOMAS, P.O. Box 778 Berkeley, CA 94704-0778	
N.	,,	

Direct Telephone Calls To:

Godfrey K. Kwan at telephone number (510) 843-6200

(Ctatus metanted manding abandoned)

Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the life so made are punishable by fine or imprisonment, or both, under section 1001 of Tide 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of Sole or First Inventor:	Mehran Nasser-Ghodsi	Citizenship:	United States
Inventor's signature:		Date of Signature:	
Residence: (City)	Hamilton	(State/Country)	MA/US
Post Office Address:	42 Boardman Lane, Hamilton, MA 01982		
Second Inventor:	Anne Testoni	Citizenship:	United States
Inventor's signature:		Date of Signature:	
Residence: (City)	Marlborough	(State/Country)	MA/US
Post Office Address:	386 Simpson Road, Marlborough, MA 017	'52	

Atty. Dkt. No.: KLA1P041/P773

(Revised 03/00)

Third Inventor:	Steve Desireich	Citizenship:	United State	es
Inventor's signature:	the Stow	Date of Signature:_	11-12-01	
Residence: (Cit		(State/Country)	AZ/US	
Post Office Address:	3909 E. Emelita, Mesa, AZ 85206			

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Nasser-Ghodsi et al. Attorney Docket No.: KLA1P041/P773

Application No.: Unknown Examiner: Not Assigned

Filed: Herewith Group: Not Assigned

Title: METHODS AND APPARATUS FOR

VOID CHARACTERIZATION

### ASSOCIATE POWER OF ATTORNEY

U.S. Patent and Trademark Office Box Patent Application P.O. Box 2327 Arlington, VA 22202

Sir:

The undersigned attorney of record in the subject patent application hereby grants an Associate Power of Attorney to add Kevin P. McAndrews, Reg. 34,496 of KLA-Tencor Technologies Corporation and all practitioners who are associated with the Customer Number 022434 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence for this application as follows:

Customer Number 022434

22434

Please direct any calls to Godfrey K. Kwan at (510) 843-6200.

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

Godfrey K. Kwan Reg. No. 46,850

Date: November 21, 2001